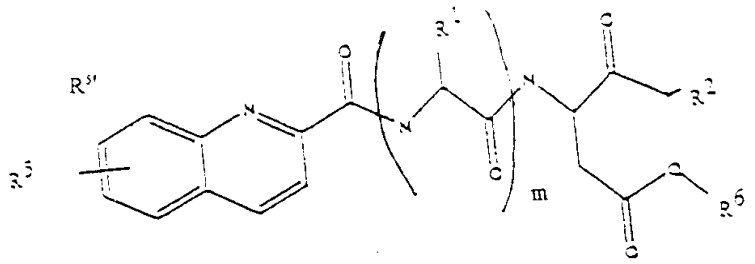
QUINOLINE-(C=O)-(2-CARBONYL)-(MULTIPLE AMINO ACIDS)-LEAVING GROUP COMPOUNDS FOR PHARMACEUTICAL COMPOSITIONS AND REAGENTS

ABSTRACT OF THE DISCLOSURE

This invention concerns compounds and a pharmaceutical composition of the structure:

wherein:



R^1 is selected from the group consisting of alkyl, substituted alkyl, aryl, and substituted aryl which group will produce a natural amino acid structure or an unnatural amino acid structure, and the carbon adjacent to R^1 is in the D or L configuration;

R^2 is selected from the group consisting of

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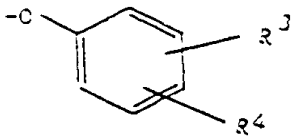

wherein R^3 and R^4 are each selected from the group consisting of hydrogen, alkyl, fluoro, chloro, carboxyl, alkoxy, alkyl carbonyl, aryl carbonyl, and amino; R^5 and $R^{5'}$ are each independently selected from the group consisting of hydrogen, alkyl, alkoxy, fluoro, chloro, carboxy, alkoxy, alkyl carbonyl, aryl carbonyl, and amino, R^6 is selected from the group consisting of alkyl having 1 to 10 carbon atoms, aryl or substituted aryl, and m is 1, 2 or 3. These compounds are reagents and pharmaceutical compositions have pro-drug and apoptosis properties and are useful in a variety of therapies, for diseases such as arthritis, ALS, MS, and the like.